



AGRICUBE
Tractors for Specialists

Welcome Agricube!

Featuring an elegant design and a renewed style, the new Carraro Agricube Series range is presented to the specialised tractor market to meet the many demands of this sector. The new Agricube Series with FPT engines has been designed to blend the Performance, Quality, Trust features with the Versatility of its wide range of applications, from the vineyard to the open field. Its compact design and high choice of configurations coupled with the comfort offered by the modern ergonomic solutions, make Agricube the perfect tractor for all the various activities typical of specialistic sectors.





Agricube Light Utility



The range

- › Agile and elegant, Agricube Light Utility presents as three different models: 70, 80 and 90, in the versions with cabin or platform with rear foldable frame with two postrops 2WD or 4WD.

Transmission

- › Agricube Light Utility can offer the following range of Carraro transmissions:
 - 12 + 12, Synchro Reverser, 30 km/h
 - 24 + 24, Synchro Reverser, Synchro splitter, 40 km/h, only 4WD
 - 24 + 24, Synchro Reverser, Power splitter, 40 km/h, only 4WD
 - 24 + 12, Power reverser, Power splitter, 40 km/h, only 4WD.



Power take-off

- › The mechanical power take-off (in versions with mechanical transmission 12+12, 24+24) has speeds of 540 revs/min, 540-750 revs/min, 540-1,000 revs/min
- › The hydraulic power take-off (in versions with power reverser transmission 24+12) has speeds of 540-750 revs/min, 540-1,000 revs/min.

Agricube Features

Light Utility



Power take-off and front lift

- › Built-in for maximum versatility
- › Category 2 lift, lifting capacity 1,300 kg at links
- › Power take-off at 1,000 revs/min, clockwise, electrical-hydraulic control.



Motor

- › The whole range is equipped with FPT engines: F5C emissions phase 3a, 4 cylinder liquid-cooled turbo, 3,200 c 3, with power of 72, 78 and 88 HP
- › The new monobloc hood is easy to open and close and makes access for ordinary maintenance simple.



Rear tow hitch and lift

- › The mechanical lift (basic version) with remote control or the electronic lift (optional extra) guarantee excellent lifting capacity: 26kN at links. As an optional extra, an additional jack can raise the lifting capacity to 30kN
- › Three-point attachment Cat. II with fixed ball type lower links and quick couplers (optional extra).



Hydraulic system

- › The hydraulic circuit capacity (86 l/min with two pumps) meets the increasingly high technical working demands
- › The range offers:
 - 2 DE distributors with 4 rear outputs or 3 DE distributors with 6 rear outputs, or push-pull, flow control on base plate for simultaneous action of distributor and lift.



Cabin

- › Each and every detail of the cabin has been designed to guarantee comfort and easy to access commands
- › Excellent visibility on all sides, emphasised by curved left and right rear windows
- › Cabin pressurisation optimises operator working conditions, making the cabin Class 2 meet the UNI EN 15695-1 requirements
- › High quality soundproofing limits noise levels to below 80 dBA
- › Front and rear opening windscreens.



Command ergonomics

- › Extremely comfortable access to the driving seat which boasts a clear, clean-cut design making it easy to use the controls and making it enjoyable, as well as practical, to drive the Agricube
- › The INTUITIVE control layout and immediate access ensure easy, simple use.



Open Station Version with protective frame

- › Available in a platform version with rear foldable frame with two postrops. Platform suspended on silent block to make even the longest day's work a comfortable experience.



Driving seat

- › The excellent visibility makes work easier with any type of front, rear or side equipment.

Agricube Technical Data

Light Utility

	70	80	90
ENGINE			
Engine manufacture	FPT	FPT	FPT
Engine name	F5C (EURO III A)	F5C (EURO III A)	F5C (EURO III A)
Displacement	3,200 c ³	3,200 c ³	3,200 c ³
Number of cylinders/Configuration	4 turbo	4 turbo intercooler	4 turbo intercooler
Cooling system	Liquid cooled	Liquid cooled	Liquid cooled
Maximum power ISO kW/hp	53 / 72.1	57 / 77.5	65 / 88.4
PTO power ISO kW/hp	42 / 57	46 / 62	55 / 75
Rated engine speed	2,300	2,300	2,300
Maximum torque speed	1,250	1,250	1,300
Maximum torque	290 Nm @ 1,250 rpm	330 Nm @ 1,250 rpm	350 Nm @ 1,300 rpm
Torque rise	25%	32%	36%
Fuel tank capacity	70 l	70 l	70 l
Exhaust	Horizontal	Horizontal	Horizontal
ELECTRIC SYSTEM			
Battery	100 Ah	100 Ah	100 Ah
Alternator	80 A	80 A	80 A
Engine start	4.2 kW	4.2 kW	4.2 kW
TRANSMISSION			
12+12 12 front 12 rear	Gear Levers: lateral · Gear Box: 4 gear synchro Range: 3 gear range M/ Hi collar shift L · Reverser: mechanical Minimum tractor speed: 1.6 km/h with rear tyre 16.9R30 Maximum tractor speed: 30 km/h with rear tyre 16.9R30		
24+24 24 front 24 rear	Gear Levers: Lateral · Gear Box: 4 gear synchro Range: 3 gear range M/ Hi collar shift L · HI-LO: mechanical · Reverser: mechanical Minimum tractor speed: 0.5 km/h with rear tyre 16.9R30 Maximum tractor speed: 40 km/h with rear tyre 16.9R30		
24+24 24 front 24 rear	Gear Levers: Lateral · Gear Box: 4 gear synchro Range: 3 gear range M/ Hi collar shift L · HI-LO: electrohydraulic Reverser: mechanical · Minimum tractor speed: 0.5 km/h with rear tyre 16.9R30 Maximum tractor speed: 40 km/h with rear tyre 16.9R30		
24+12 24 front 12 rear	Gear Levers: Lateral · Gear Box: 4 gear synchro Range: 3 gear range M/ Hi collar shift L · HI-LO: electrohydraulic Reverser: electrohydraulic · Minimum tractor speed: 0.5 km/h with rear tyre 16.9R30 Maximum tractor speed: 40 km/h with rear tyre 16.9R30		
MECHANICAL POWER TAKE OFF			
Speed option (dry disc clutch)	540 - 540/540 E - 540/1,000		
Ground drive PTO	Option		
Speed indicator on dashboard	Base		
ELECTRO HYDRAULIC POWER TAKE OFF			
Speed option (Wet disc clutch)	540/540 E - 540/1,000		
Ground drive PTO	Base		
Speed indicator on dashboard	Base		
CLUTCH			
Dry independent	11"		

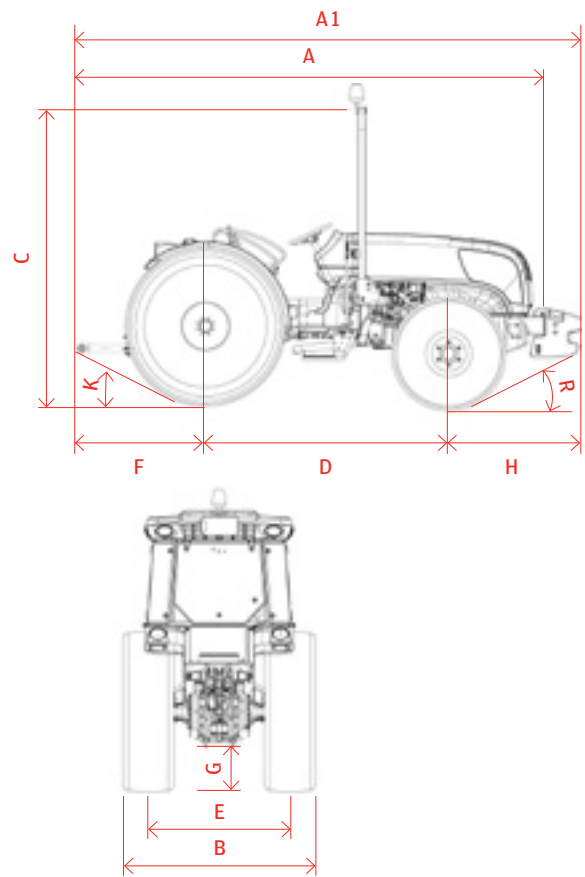
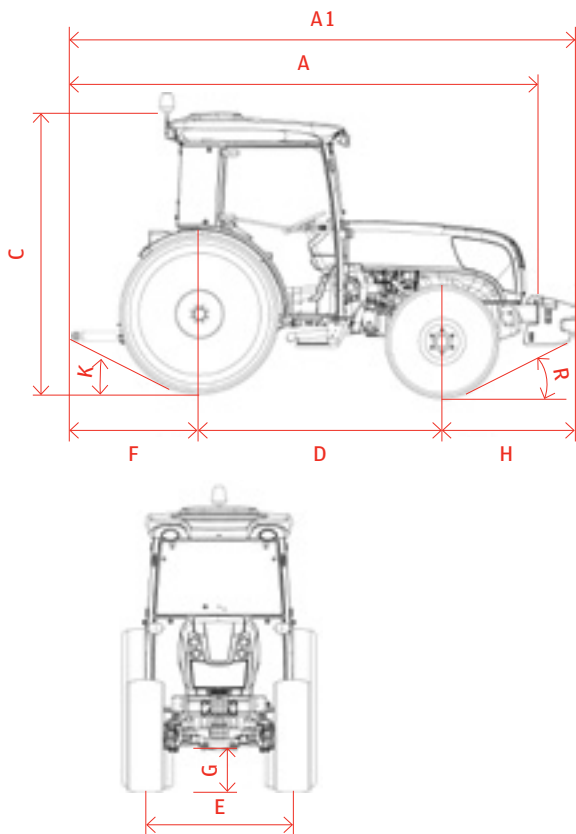
BRAKES	
Brake actuation	Mechanical & Hydraulic integrated
Brake configuration	Oil wet disk
REAR DIFFERENTIAL LOCK	
Type	Mechanical
Actuation	Electrohydraulic
FRONT AXLE	
Maximum steering angle	55°
Tilt angle	11°
Flange distance	1,640 mm
4WD Actuation	Electrohydraulic
Differential lock	Self-locking
REAR AXLE	
Type	Epicyclic
Ratio	6:1
Flange distance	1,540 mm
HYDRAULIC SYSTEM	
Pumps capacity (lt/min)	With 2 pumps (base): 61.2 + 24.8
Distributors	<ul style="list-style-type: none"> - 2 DE: 1SE/1DE + 1SE/DE with neutral simple return, push pull (4 rear exits), flow control for simultaneous use of distributor and lift (base) - 3 DE: 1SE/1DE + 1SE/DE + 1SE/DE with neutral simple return, push pull (6 rear exits), flow control for simultaneous use of distributor and lift (option)
THREE POINT HITCH	
Three point hitch category	2 Cat.
Lower links	Ball-type with mechanical vertical tie rod (base) Quick-connection with mechanical vertical tie rod (opzione)
Maximum lift capacity	2,600 kg (base) - 3,000 kg (option)
Lift	Mechanical with position, draft, mix control (base) - Electronic (option)
TOW HOOKS	
Pins/Sliding	Category Cuna C (basic), Category Cuna C + D2 (optional)
FRONT WEIGHTS	
Option	6 elements x 30 kg (180 kg) 10 elements x 30 kg (300 kg) 14 elements x 30 kg (420 kg)
DRIVER SEAT OOS	
Platform	Suspended, insonorized, on 4 silent blocks
Front rops	Rear tiltable roll bar with two footboards
Steering wheel	Fixed (base), Telescopic & tiltable (option)
Seat	Mechanical suspended seat in Pvc (base)
Mirror	1 Telescopic LH rearview mirror (base), 1 RH telescopic rearview mirror (option)
Dashboard	Multifunction
Operator's Manual	English / Italian version (base)
DRIVER SEAT CABIN VERSION	
Cabin	Insonorised, on 4 silent block suspended, ventilated and heated version
Air filter	With category 2 filters according to regulation
Steering wheel	Fixed (base), Telescopic & tiltable (option)
Seat	Mechanical suspended seat in textile with safety belt
Mirror	2 external rearview mirrors LH & RH - 1 internal rear view (option)
Dashboard	Multifunction
Operator's Manual	English / Italian version (base)

Agricube Measurements

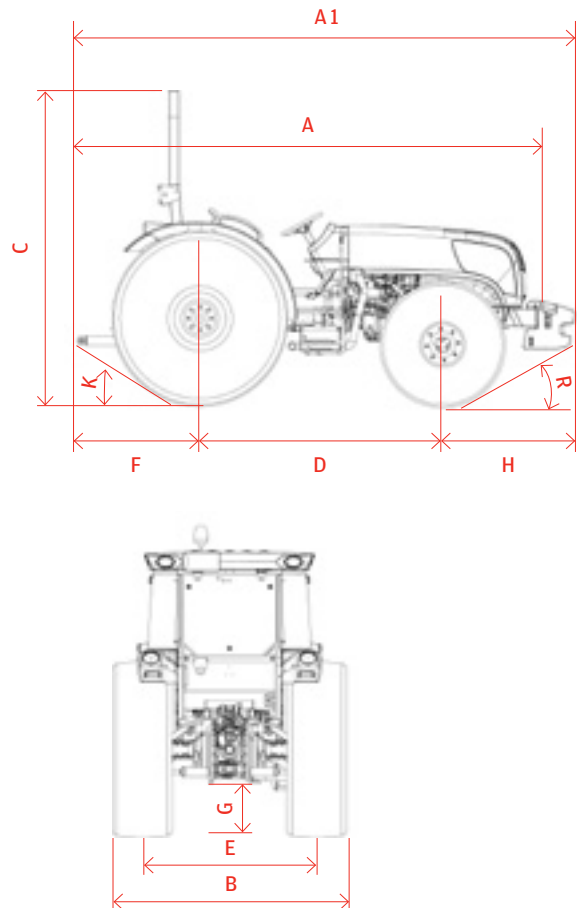
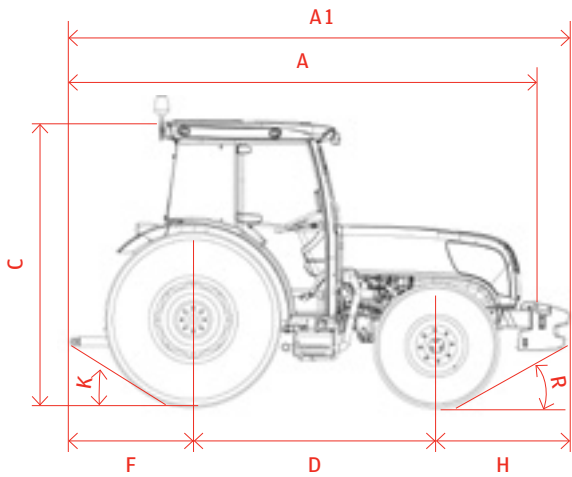
	Vineyard		Wide Vineyard		Orchard		Light Utility		
	CAB	OOS	CAB	OOS	CAB	OOS	CAB	OOS	
A * (mm)	2 WD	3,991	3,991	3,991	3,991	3,991	3,991	4,019	4,019
	4 WD	3,991	3,991	3,991	3,991	3,991	3,991	4,019	4,019
A 1 * (mm)	2 WD	4,316	4,316	4,316	4,316	4,316	4,316	4,335	4,335
	4 WD	4,316	4,316	4,316	4,316	4,316	4,316	4,335	4,335
B max (mm)	2 WD	1,700	1,700	1,900	1,900	1,980	1,980	2,230	2,230
	4 WD	1,700	1,700	1,900	1,900	1,980	1,980	2,230	2,230
C (mm)	2 WD	2,335	2,482	2,385	2,533	2,385	2,533	2,424	2,667
	4 WD	2,335	2,482	2,385	2,533	2,385	2,533	2,424	2,667
D * (mm)	2 WD	2,098	2,098	2,098	2,098	2,098	2,098	2,115	2,115
	4 WD	2,098	2,098	2,098	2,098	2,074	2,074	2,098	2,098
E front (mm)	2 WD	776 ÷ 1,374	776 ÷ 1,374	776 ÷ 1,374	776 ÷ 1,374	997 ÷ 1,566	997 ÷ 1,566	1,438 ÷ 1,576	1,438 ÷ 1,576
	4 WD	822 ÷ 1,022	822 ÷ 1,022	846 ÷ 1,110	846 ÷ 1,110	997 ÷ 1,625	997 ÷ 1,625	1,311 ÷ 1,939	1,311 ÷ 1,939
E rear (mm)	2 WD	896 ÷ 1,296	896 ÷ 1,296	928 ÷ 1,376	928 ÷ 1,376	1,102 ÷ 1,646	1,102 ÷ 1,646	1,384 ÷ 1,922	1,384 ÷ 1,922
	4 WD	896 ÷ 1,296	896 ÷ 1,296	928 ÷ 1,376	928 ÷ 1,376	1,102 ÷ 1,646	1,102 ÷ 1,646	1,384 ÷ 1,922	1,384 ÷ 1,922
F (mm)	2 WD	1,060	1,060	1,060	1,060	1,060	1,060	1,088	1,088
	4 WD	1,060	1,060	1,060	1,060	1,060	1,060	1,088	1,088
G (mm)	2 RM	380 ant 355 post	380 ant 355 post	405 ant 330 post	405 ant 330 post	430 ant 355 post	430 ant 355 post	470 ant 390 post	470 ant 390 post
	4 RM	270 ant 295 post	270 ant 295 post	306 ant 355 post	306 ant 355 post	295 ant 355 post	295 ant 355 post	390 ant 395 post	390 ant 395 post
H (mm)	2 WD	1,158	1,158	1,158	1,158	1,158	1,158	1,132	1,132
	4 WD	1,158	1,158	1,158	1,158	1,182	1,182	1,149	1,149
R	2 WD	20°	20°	20°	20°	20°	20°	20° 40'	20° 40'
	4 WD	20°	20°	22°	22°	25° 30'	25° 30'	28° 10'	28° 10'
K	2 WD	22° 30'	22° 30'	24°	24°	24°	24°	28° 40'	28° 40'
	4 WD	22° 30'	22° 30'	24°	24°	24°	24°	28° 40'	28° 40'
Front Tyres	2 WD	7.50 ÷ R16	7.50 ÷ R16	7.50 ÷ R16	7.50 ÷ R16	7.50 ÷ R16	7.50 ÷ R16	7.50 ÷ R16	7.50 ÷ R16
	4 WD	7.50 ÷ R16	7.50 ÷ R16	280/70R18	280/70R18	320/70R20	320/70R20	11.2R24 280/85R24	11.2R24 280/85R24
Rear Tyres	2 WD	12.4R28 320/85R28	12.4R28 320/85R28	14.9R28 380/85R28	14.9R28 380/85R28	14.9R28 380/85R28	14.9R28 380/85R28	12.4R36 320/85R36	12.4R36 320/85R36
	4 WD	12.4R28 320/85R28	12.4R28 320/85R28	14.9R28 380/85R28	14.9R28 380/85R28	14.9R28 380/85R28	14.9R28 380/85R28	16.9R30 420/85R30	16.9R30 420/85R30
Weight ** (w/o front weights)	2 WD	2,555 kg	2,340 kg	2,775 kg	2,540 kg	2,825 kg	2,590 kg	2,900 kg	2,700 kg
	4 WD	2,645 kg	2,430 kg	2,905 kg	2,670 kg	2,965 kg	2,730 kg	3,065 kg	2,865 kg

* A, A 1, D with NEF motor: +87 mm / ** Weight with NEF motor: +70 kg

Vineyard / Wide Vineyard / Orchard



Light Utility





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